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SECONDARY BAT	TERY					rada (imari ima

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Abstract

PROBLEM TO BE SOLVED: To provide a nonaqueous electrolytic secondary battery having a high degree of incombustibility and safety, having the capability of generating high voltage and further having a high charging and discharging function by composting a nonaqueous electrolyte of a nonaqueous solvent containing a phosphoric ester compound having a group with an ether linkage and an electrolyte. SOLUTION: The nonaqueous electrolyte of a secondary battery is composed of a nonaqueous solvent containing the phosphoric ester compound expressed by the formula and an electrolyte. In the formula, R<1> , R<2> and R<3> may be identical to or different from each other, and are an alkyl group having carbons between 1 and 4, or a group having the ether linkage expressed by -R<4> -O-R<5>. Also, R<4> and R<5> stand for a hydrocarbon group having carbons between 1 and 10. Furthermore, lithium salt such as LiPF6. LiBF4, LiClO4, LiAsF6, and LiCF3 SO3 is mentioned, for example, as an electrolyte dissolved in the nonaqueous electrolyte. Also, the electrolyte is preferably contained in the nonaqueous electrolyte at a level of concentration between 0.5 and 2mol/L. The nonaqueous electrolyte may be used for a cylindrical nonaqueous electrolytic secondary battery or the like.

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